RCRASTS.

Swats 1/24/85



SITE DESCRIPTION/EXECUTIVE SUMMARY

Site Name and Location

TRW Incorporated 902 Lyons Road Portland, MI 48875 County: Ionia

Michigan Code Number: 34-06N-05W-28BB

DNR District: Grand Rapids EPA ID Number: MID006017693

SAS Score/Screen No.: 05

TRW Incorporated, Portland, Michigan manufactures heavy duty steering linkages for use in heavy road equipment. Industrial wastes consist of cooling waters, soluble cutting oils and bonderizing rinses. These wastes are directed from inside storage tanks to the first of a series of three settling lagoons which finally discharges to a flood plain marsh, approximately 450 feet from the Grand River. Sanitary wastes, after initial treatment in a septic tank, are also discharged to the first lagoon of the series. Oil sludge was once disposed in a pit on the southeast corner of the site. The pit contents and associated contaminated soils were removed in 1972 and replaced with sand. Methanol, fuel oils and grease are currently stored in onsite barrels or underground tanks.

An April 1982 hydrogeological study determined that sanitary and process wastewater in the treatment lagoons or old sludge pit do not appear to be a potential hazard to the groundwater, however significant concentrations of PCB's, heavy metals, detergents, fecal coliforms, and oil were detected in sediment from the final effluent to the marsh in September 1980 and March 1973. Oil and grease were also discovered in a monitoring well located on plant property. Unconsolidated sand and gravel deposits comprise much of the soil material at the site. The plant and city residences depend on drinking water from municipal wells located one mule east from the site. The groundwater flow direction was determined to be toward the river and away from the municipal wells. Algae growth is overabundant in the treatment lagoons due to high levels of phosphate content in the wastewater.

Follow-up Recommendations to EPA

This site is a medium priority for site inspection. Further groundwater, surface water and soil samples need to be obtained to determine the level and extent of offsite contamination from the plant that may potentially impact the wetlands and drinking supply in the area.

Date of Previous Summary: Previous Author:

Current Date: 6/17/85
Author: James Carr

Site Assessment Unit Groundwater Quality Division Michigan Dept. of Natural Resources

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

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-	MI	000601769

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IV. HAZARD	OUS SUBSTANCES (See A)	ounds for most frequen	dy ated CAS Mumbers)	, ————————————————————————————————————	······································		
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V. FEEDSTO	CKS (See Appendix for CAS Membe	· ·	·				
CATEGORY	01 FEEDSTOC	KNAME	02 CAS NUMBER	CATEGORY	01 FEEDSTO	CK NAME	02 CAS NUMBER
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VI. SOURCES	OF INFORMATION (CIT)	specific references, a.g.	, state /Ros, sample enelysis, /	eporte)			
MICH	IGAN DNE	2 - 68	OUNDWATE	ee QUA	LITY DI	VISION	

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POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT
TION OF HAZARDOUS CONDITIONS AND INCIDENTS

L IDENTIFICATION 01 STATE 02 SITE NUMBER DO 6017698

PARI 3 DESCRIPT		
HAZARDOUS CONDITIONS AND INCIDENTS		
01 A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 G OBSERVED (DATE: 1-23-	
OIL AND GREASE FOUND	O IN MONITORING WEL	L. PLANT AND CITY
PESIDENCE C BAL MIL	MICIORE HATER, GROW	MINUAL PERE
TOWARD GRAND RIVER	AND AWAY FROM.	Home 3 4
1 8 B. SURFACE WATER CONTAMINATION	585 02 @ OBSERVED (DATE: 3-7-	ALLEGED
INDUSTRIAL WASTE PO	NOS ARE CONTAMINATE	D WITH PHOSPHATES.
DETERGENTS, FECAL O	COLIFORMS AND ZING.	PCB'S ARE ALSO PRE
SLUDGES AND CONTA	MINATED SEDIMENT IN	AQUACENT MARSH.
1 C. CONTAMINATION OF AIR	02 🗆 OBSERVED (DATE:) POTENTIAL ALLEGED
3 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION	
N/A	•	
12/14		
	· · · · · · · · · · · · · · · · · · ·	
1 🔲 D. FIRE/EXPLOSIVE CONDITIONS 3 POPULATION POTENTIALLY AFFECTED:	02 🗆 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)
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M/Λ		
N/A		
	02 🗆 OBSERVED (DATE:) POTENTIAL G ALLEGED
1 B. DIRECT CONTACT 3 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION	
IN BE. DIRECT CONTACT S POPULATION POTENTIALLY AFFECTED: LE	624NO EVEL 486	ACCESSABLE TO
1 DE DIRECT CONTACT 3 POPULATION POTENTIALLY AFFECTED: LG MARSH AREA AND PUBLIC . POSSIBLE E	GRAND EVER ARE EXPOSURE OR INJURY	ACCESSABLE TO COULD OCCUR TO
MALSH ACEA AND PUBLIC. POSSIBLE E INDIVIDUALS IN CA	OS 04 NARRATIVE DESCRIPTION GRAND RIVER ARE EXPOSURE OR INJURY ONTACT WITH THESE A	ACCESSABLE TO COULD OCCUR TO REEAS.
PUBLIC . POSSIBLE E INDIVIDUALS IN CO	QUAND EVEL ARE EXPOSURE OR INJUST PATACT WITH THESE A 02 NOBSERVED (DATE: 41 - 23 -	ACCESSABLE TO COULD OCCUR TO REAS. POTENTIAL PALLEGED
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DE CURECT CONTACT POPULATION POTENTIALLY AFFECTED: LE MARSH AREA AND PUBLIC. POSSIBLE E INDIVIDUALS IN CO OF CONTAMINATION OF SOIL AREA POTENTIALLY AFFECTED: PCB AND OIL CONTAVE EXCAVATED AND REPORT SEDIMENT CONTAMINATION G. DRINKING WATER CONTAMINATION	OS OBSERVED (DATE:	ACCESSABLE TO COULD OCCUR TO ABEAS. BY POTENTIAL PALLEGED SOILS HAVE BEEN AND AT SCUDGE PIT.
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ME DIRECT CONTACT POPULATION POTENTIALLY AFFECTED: LE MARSH AREA AND PUBLIC . POSSIBLE E INDIVIDUALS IN CO INF CONTAMINATION OF SOIL AS AREA POTENTIALLY AFFECTED: [ACCOUNTY [OS OBSERVED (DATE:	ACCESSABLE TO COULD OCCUR TO APEAS. BO POTENTIAL DALLEGED SOILS HAVE BEEN AND AT SLUDGE PIT. INAGE TO MARSH.
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DE DIRECT CONTACT POPULATION POTENTIALLY AFFECTED: LE MALSH AREA AND PUBLIC . POSSIBLE E INDIVIDUALS IN CO DEF. CONTAMINATION OF SOIL AREA POTENTIALLY AFFECTED: [ACCRETATION OF SOIL AS SEDIMENT CONTAMINATION IN POPULATION POTENTIALLY AFFECTED: G. DRINKING WATER CONTAMINATION IN POPULATION POTENTIALLY AFFECTED: WORKER EXPOSURE/INJURY WORKERS POTENTIALLY AFFECTED:	OS OBSERVED (DATE: O2 OBSERVED (DATE: O4 NARRATIVE DESCRIPTION O4 NARRATIVE DESCRIPTION O2 OBSERVED (DATE: O4 NARRATIVE DESCRIPTION O4 NARRATIVE DESCRIPTION O4 NARRATIVE DESCRIPTION O4 NARRATIVE DESCRIPTION	ACCESSABLE TO COULD OCCUR TO ABEAS. BY POTENTIAL DALLEGED SOILS HAVE BEEN AND AT SCUDGE PIT. INAGE TO MARSH. POTENTIAL DALLEGED POTENTIAL DALLEGED REFENCED.
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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER DOGGO17673

THE REPORT OF THE PARTY OF THE

PART 3 - DESCRIPTION OF	F HAZARDOUS CONDITIONS AND INC	DENIS	
IL HAZARDOUS CONDITIONS AND INCIDENTS (Communication)			
01 & J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 & OBSERVED (DATE: 9-27-8	POTENTIAL	ALLEGED
SAMPLES TAKEN OF MA	ARSH SEDIMENT SK	HOW CONTAM	MATION,
ALGAE GROWTH OVER AB	UNIOANT AN TEERTM	ent.	-
01 & K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include name(a) of souches) THE GRAND RIVER 15	1/8 MILE AWAY A	NO IT IS F	SHED.
01 ☐ L CONTAMINATION OF FOOD CHAIN	02 🗆 OBSERVED (DATE:) ☐ POTENTIAL	☐ ALLEGED
04 NARRATIVE DESCRIPTION	0.0000000000000000000000000000000000000		المحمد المحمد
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01 @ M. UNSTABLE CONTAINMENT OF WASTES	02 C OBSERVED (DATE:)	C ALLEGED
OS POPULATION POTENTIALLY AFFECTED: 1605 PLANT FLOOR HAS INAD NOT SAFE IN CASE OF	equate seals alov	NO GEOVNO	NG RODS,
01 [] N. DAMAGE TO OFFSITE PROPERTY 04 MARRATIVE DESCRIPTION	02 (1 OBSERVED (DATE:) POTENTIAL	(ALLEGED
,			•
01 O. CONTAMINATION OF SEWERS, STORM DRAINS, W	WTPs 02 - OBSERVED (DATE:) ☐ POTENTIAL	C ALLEGED
04 NARRATIVE DESCRIPTION	•		
	•		
	.		
01 [] P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 C OBSERVED (DATE:) C POTENTIAL	C ALLEGED
			• • •
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL OR	ALLEGED HAZARDS		•
or committee of the content of the c			
			•
IIL TOTAL POPULATION POTENTIALLY AFFECTED:	~ 5585		
IV. COMMENTS		· · · · · · · · · · · · · · · · · · ·	
V. SOURCES OF INFORMATION (Cite assessite references, e. g., sta	tte (Bea, sample eneryela, reporta)	 	
	DWATER QUALITY BAPIDS DISTRIC		